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P A T E N T

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re U.S. Letters Patent of:)
Willmer, et al.) Application No.: 10/713,775
Patent No.: 6,965,179 B2) Examiner: J. Waks
Issued: November 15, 2005) Art Unit: 2834
For: ELECTRIC MOTOR)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450
**ATTENTION: Certificate
of Correction Branch**

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail, postage prepaid, in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 ATTENTION: Certificate of Correction Branch on December 13, 2005

By: Carol Prentice
CAROL PRENTICE

REQUEST FOR CERTIFICATE OF CORRECTION
PURSUANT TO 37 C.F.R. §1.322

Dear Sir:

Transmitted herewith is a Certificate of Correction for U.S. Patent No. 6,965,179 which issued November 15, 2005. Upon reviewing the patent, the patentees noted an error was made by the Patent and Trademark Office in printing the patent. Specifically, a word is missing in claim 7.

A Certificate of Correction is enclosed, and reads as follows:

- (1) Column 7, line 35, insert "first" before "or the" at the end of the line so that line 35 reads:
-- the connection unit is associated with one of the first or the --

Certificate
DEC 20 2005
of Correction

DEC 21 2005

Patent No.: 6,965,179 B2
Page 2

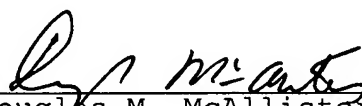
A copy of the last Amendment filed May 5, 2005 is enclosed evidencing the requested correction in claim 7 (claim 9 in the Amendment was renumbered as claim 7 in the patent).

Since the error for which a Certificate of Correction is sought was the result of a Patent and Trademark Office mistake, no fee is due (35 U.S.C. §254). The issuance of the enclosed Certificate of Correction is therefore respectfully requested.

Attached hereto, in duplicate, is Form PTO-1050, with at least one copy being suitable for printing.

Please send the Certificate to Patentees' undersigned representative.

Respectfully submitted,



Douglas M. McAllister
Attorney for Applicant(s)
Registration No. 37,886
Lipsitz & McAllister, LLC
755 Main Street, Bldg. 8
Monroe, CT 06468
(203) 459-0200

ATTORNEY DOCKET NO.: HOE-787
Date: December 13, 2005

DEC 21 2005



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Willmer, et al.

Serial No.: 10/713,775

Filed: November 14, 2003

Examiner: J. Waks

Art Unit: 2834

For: **ELECTRIC MOTOR**

MAIL STOP: AMENDMENT

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first-class mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on: May 3, 2005.

Signature:

Carol Prentice
Carol Prentice

AMENDMENT

Dear Sir:

This Amendment is responsive to the Office Action mailed on December 16, 2004, for which a petition and fee for a two-month extension of time is being submitted concurrently herewith. Please amend the above-identified U.S. patent application as follows:

Amendments to the Claims are reflected in the listing of claims which begins on page 2 of this paper.

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Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) An electric motor comprising:
a housing, said housing including a housing sleeve and a housing cover disposed at the end of the housing sleeve, ~~comprising~~
a rotor, mounted rotatably about a rotor axis in the housing, ~~comprising~~
a stator disposed in the housing with a least one motor winding, ~~and comprising~~
an electrical connection unit disposed on the housing, and
at least one feed line leading from the electrical connection unit to the motor winding ~~running within the housing sleeve,~~
the housing sleeve having a sleeve body and at least one rib, the at least one feed line running in the region of the rib within the housing sleeve, the at least one rib connecting regions of the sleeve body lying on either side of the feed line and stabilizing the regions of the sleeve body in relation to each other.
2. (Original) An electric motor according to claim 1, wherein the housing sleeve is made of an insulating material.
3. (Original) An electric motor according to claim 1, wherein the housing sleeve is made of plastics.
4. (Original) An electric motor according to claim 3, wherein the housing sleeve is made by means of injection molding.

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5. (Cancelled).

6. (Currently amended) An electric motor according to claim 5 1, wherein the at least one rib extends approximately in a direction parallel to the rotor axis.

7. (Cancelled).

8. (Currently amended) An electric motor according to claim 5 1, wherein the at least one rib is disposed on an inner side of the sleeve body.

9. (Currently amended) An electric motor according to claim 1, wherein:
a first housing cover is disposed at a first end of the housing sleeve;
a second housing cover disposed at a second end of the housing sleeve; and
the connection unit is associated with a one of the first or the second housing covers.

10. (Currently amended) An electric motor according to claim 9, wherein the connection unit is mounted on one of the first or the second housing cover.

11. (Original) An electric motor according to claim 1, wherein the connection unit includes a connection board.

12. (Currently amended) An electric motor according to claim 1, wherein the stator has a first stator unit arranged facing the ~~first~~ housing cover and a second stator unit disposed on a side of the first stator unit lying opposite the ~~first~~ housing cover and that the feed line running within the housing sleeve leads to the second stator unit.

13. (Currently amended) An electric motor ~~according to claim 1, wherein~~ comprising:

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a housing, said housing including a housing sleeve and a housing cover disposed at the end of the housing sleeve.

a rotor mounted rotatably about a rotor axis in the housing.

a stator disposed in the housing with a least one motor winding.

an electrical connection unit disposed on the housing, and

at least one feed line leading from the electrical connection unit to the motor winding.

the housing sleeve ~~has~~ having a groove accommodating the at least one feed line, the groove starting at an outer surface of the housing sleeve and extending radially inwards into the housing sleeve.

14. (Original) An electric motor according to claim 13, wherein the groove runs in the housing sleeve in a direction approximately parallel to the rotor axis.

15. (Cancelled).

16. (Original) An electric motor according to claim 13, wherein the groove runs in the region of the at least one rib of the housing sleeve.

17. (Original) An electric motor according to claim 16, wherein the groove penetrates into the sleeve body of the housing sleeve and that the respective rib ensures that the regions of the sleeve body lying on either side of the groove remain stable and connected to each other.

18. (Original) An electric motor according to claim 16, wherein the groove substantially penetrates through the sleeve body.

19. (Original) An electric motor according to claim 13, wherein the feed line is fixed in the groove.

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20. (Currently amended) An electric motor according to claim 19, wherein comprising:
a housing, said housing including a housing sleeve and a housing cover disposed at the end of the housing sleeve,
a rotor mounted rotatably about a rotor axis in the housing,
a stator disposed in the housing with a least one motor winding,
an electrical connection unit disposed on the housing, and
at least one feed line leading from the electrical connection unit to the motor winding,
the housing sleeve having a groove accommodating the at least one feed line, the feed line is being fixed in the groove by means of a bonding compound.

21. (Original) An electric motor according to claim 13, wherein the groove is sealed by means of a sealing compound.

22. (Currently amended) An electric motor according to claim 13, wherein comprising:
a housing, said housing including a housing sleeve and a housing cover disposed at the end of the housing sleeve,
a rotor mounted rotatably about a rotor axis in the housing,
a stator disposed in the housing with a least one motor winding,
an electrical connection unit disposed on the housing, and
at least one feed line leading from the electrical connection unit to the motor winding,
the housing sleeve having a groove accommodating the at least one feed line, a groove in the first housing cover adjoins adjoining the groove in the housing sleeve in exact alignment therewith.

23. (Original) An electric motor according to claim 13, wherein the at least one feed line is a winding wire which continues from the motor winding.

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24. (Original) An electric motor according to claim 1, wherein the at least one feed line is embedded in the material forming the housing sleeve.

25. (Original) An electric motor according to claim 24, wherein the at least one feed line is molded into the housing sleeve.

26. (Original) An electric motor according to claim 24, wherein the at least one feed line is embedded in the at least one rib.

27. (Currently amended) An electric motor according to claim 24, wherein:

a first housing cover is disposed at a first end of the housing sleeve;

a second housing cover disposed at a second end of the housing sleeve; and

the feed line passes through an opening in one of the housing covers.

28. (Original) An electric motor according to claim 24, wherein the feed line is formed as a rigid line section.

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REMARKS

This Amendment is responsive to the Office Action mailed on December 16, 2004. Claims 1, 8-10, 12, 13, 20, 22, and 27 are amended. Claims 5, 7, and 15 are cancelled. Claims 1-4, 6, 8-14, and 16-28 are pending.

The Examiner has indicated that claims 15, 20 and 22 contain allowable subject matter.

Claim 7 is rejected under 35 U.S.C. § 112 as being indefinite. The claims are amended herein to overcome the indefiniteness rejection. Withdrawal of this rejection is respectfully requested.

Claims 1, 9, and 10 are rejected under 35 U.S.C. § 102(b) as being anticipated by Ijlstra (US 4,104,484).

Claims 1-6, 8, 9, 13, 14, 16-19, 21, and 24-28 are rejected under 35 U.S.C. § 102(b) as being anticipated by Iijima (US 5,661,357).

Claims 1, 9-11 and 14 are rejected under 35 U.S.C. § 102(b) as being anticipated by Armiroli (DE 19630658).

Claims 1, 12-14, and 23 are rejected under 35 U.S.C. § 102(b) as being anticipated by Takahashi (US 5,523,634).

Claim 7 is rejected under 35 U.S.C. § 103(a) as being unpatentable over Iijima in view of Sharp (US 4,181,472).

Applicants respectfully traverse these rejections in view of the amended claims and the following comments.

Discussion of Amended Claims

Claim 1 is amended to include the subject matter of claims 5 and 7. Claims 5 and 7 are cancelled to avoid duplication of claimed subject matter. Claims 6 and 8 are amended to depend from claim 1.

Claims 9, 10, 12, and 27 are amended to clarify the claim language with respect to the first housing cover.

Claim 13 is amended to include the subject matter of original claim 1 and the allowable

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subject matter of claim 15. Claim 15 is cancelled to avoid duplication of claimed subject matter.

Claims 20 and 22, each of which includes allowable subject matter, are amended into independent form.

Accordingly, independent claims 13, 20 and 22 and dependent claims 14, 16-19 and 23 are in condition for immediate allowance.

Discussion of Sharp

Claim 1 is amended herein to include the subject matter of claims 5 and 7. The Examiner rejected claim 7 as being unpatentable over Iijima in view of Sharp.

The Examiner has acknowledged that Iijima does not disclose at least one rib in the housing sleeve connecting regions of the sleeve body lying on either side of the feed line and stabilizing the regions of the sleeve body in relation to each other, as now set forth in amended claim 1. The Examiner relies on Sharp as disclosing such a rib.

Sharp discloses an electric motor 14 having a motor housing. The motor housing is inserted into the housing 12 of a pump. Ribs 34 project from the pump housing 12.

The Examiner has equated the ribs 34 of the pump housing with Applicants' claimed at least one rib. Applicants respectfully submit that the ribs 34 of Sharp are not equivalent to the at least one rib claimed by Applicants. The at least one rib claimed by Applicants is formed in the sleeve body of the housing sleeve of the motor housing. In contrast, the ribs 34 of Sharp are formed on the pump housing 12, and not on the housing of the electric motor 14, which is separate from the pump housing 12.

Further, the ribs 34 of Sharp do not connect regions of the sleeve body lying on either side of the feed line and stabilize the regions of the sleeve body in relation to each other, as claimed by Applicants. The ribs 34 of Sharp simply extend in a radial direction from the pump housing 12 in order to provide a space outside the pump housing 12 between the two ribs 34 for protecting the electrical leads 58 and 60 (Col. 3, lines 27-31).

Further, to the extent that electrical leads 58 and 60 comprise feed lines for the motor 14, these leads are not running in the region of the rib within the housing sleeve of the motor

housing, as is the feed line claimed by Applicants. In contrast, the ribs 34 of Sharp are on the outside of the pump housing 12, and not within the sleeve body of the housing of the motor 14.

Accordingly, Sharp does not disclose or remotely suggest that a housing sleeve of a motor housing has a sleeve body and at least one rib, where the at least one feed line runs in the region of the rib within the housing sleeve, and the at least one rib connects regions of the sleeve body lying on either side of the feed line and stabilizing the regions of the sleeve body in relation to each other, as claimed by Applicants.

Applicants respectfully submit that the present invention as set forth in amended claim 1 would not have been obvious to one skilled in the art in view of the combination of Iijima and Sharp, or any of the other prior art of record.

Further remarks regarding the asserted relationship between Applicant's claims and the prior art are not deemed necessary, in view of the amended claims and the foregoing discussion. Applicants' silence as to any of the Examiner's comments is not indicative of an acquiescence to the stated grounds of rejection.

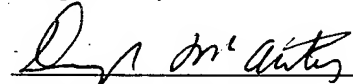
Withdrawal of the rejections under 35 U.S.C. § 102(b) and 35 U.S.C. § 103(a) is therefore respectfully requested.

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Conclusion

The Examiner is respectfully requested to reconsider this application, allow each of the pending claims and to pass this application on to an early issue. If there are any remaining issues that need to be addressed in order to place this application into condition for allowance, the Examiner is requested to telephone Applicants' undersigned attorney.

Respectfully submitted,



Douglas M. McAllister
Attorney for Applicant(s)

Registration No.: 37,886
Lipsitz & McAllister, LLC
755 Main Street
Monroe, CT 06468
(203) 459-0200

ATTORNEY DOCKET NO.: HOE-787

Date: May 3, 2005

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**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**Page 1 of 1PATENT NO. : 6,965,179 *B2*

APPLICATION NO.: 10/713,775

ISSUE DATE : November 15, 2005

INVENTOR(S) : Willmer, et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 7, line 35, insert "first" before "or the" at the end of the line so that line 35 reads:

-- the connection unit is associated with one of the first or the --

MAILING ADDRESS OF SENDER (Please do not use customer number below):

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Monroe, CT 06468

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**

Page 1 of 1

PATENT NO. : 6,965,179 *B2*

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